

XP-002266035

AN - 2000-409127 [35]

AP - RU19970117319 19971015

CPY - ALEK-R

DC - H01 Q67

FS - CPI;GMPI

IC - F16L55/04

IN - DERBUKOV E I; KOLESNIKOV K S; NIZAMOV KH N

MC - H01-C06

PA - (ALEK-R) ALEKSANDROV RES TECHN INST

PN - RU2133905 C1 19990727 DW200035 F16L55/04 000pp

PR - RU19970117319 19971015

XA - C2000-123889

XIC - F16L-055/04

XP - N2000-305585

AB - RU2133905 NOVELTY - Pressure stabilizer has main cylindrical housing 1 with end covers 2, perforated insert 3 axially mounted within cylindrical housing 1 so as to define annular expansion precombustion chamber 4, and succession of annular damping inserts 5 positioned coaxially within precombustion chamber 4 along its axis one behind the other. Inserts 5 have sectorial slots with central angle α less than 180 deg and are manufactured from flexible material. Inserts 5 are filled with resilient yielding filler 6 and fixed relative to main housing 1 by thrusts 7. Perforations 8 are made in insert 3 within sector restricted with slot on damping insert 5. Inserts 5 are faced with their slots to vertical branch pipes 9 mounted on upper part of main housing 1 and adapted for communicating auxiliary cylindrical vertical housings 10 with annular precombustion chamber 4. Housings 10 are provided with detachable top covers 11. Perforated partition walls 12 and damping members are successively arranged within auxiliary housing 10 beginning from communicating branch pipe 9. Damping members are made in the form of flexible chambers 13 of elliptical section. One end of chambers 13 is open and other end is provided with closure 14. Ends of flexible chambers 13 are fixed in perforations of partition walls 12 and faced with their open ends to branch pipes 9. Pressure stabilizer is mounted by means of flanges 15 in main pipeline within zone adjoining to pumping station, or in the vicinity of closures and branches. Such construction prevents solid particles from settling in lower part of annular precombustion chamber and provides tangential deformation of damping inserts.

- USE - Chemical industry, petroleum and gas production, in particular, emergency preventing equipment.

- ADVANTAGE - Increased efficiency and improved yielding of pressure stabilizer. 2 cl, 2 dwg

- (Dwg.1/1)

IW - PRESSURE

IKW - PRESSURE

INW - DERBUKOV E I; KOLESNIKOV K S; NIZAMOV KH N

NC - 001

OPD - 1997-10-15

OPD - 1997-07-27